WINCOR NIXDORF

CINEO C1030

Mass Coin Recycling System

Installation (January 2015)

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Introduction

With the CINEO C1030 Wincor Nixdorf offers an entry-level model for coin processing in cash offices. This system processes up to 8 coin denominations and recycles them. Thus, coins are available again for dispensing. Capacity per denomination averages 1,200 coins (based on the 1 € coin).

The CINEO C1030 is suitable for use in midsize store formats such as supermarkets, discounters or specialty stores.

About this manual

This manual refers to technically trained personnel only.

It provides all necessary information for installing the CINEO C1030 at site.

Notes are marked by this symbol.

Caution! Identifies action requiring caution.

The responsibility for all technical and special prerequisites for the installation of the CINEO C1030 is borne by the customer. A detailed list of customer responsibilities is given in this manual.

Installation as well as connection of CINEO C1030 may only be executed by technically trained personnel.

Strictley follow the safety instructions given in this document when handling the CINEO C1030. Find further safety, installation, and maintenance instructions in the manuals supplied with the components.

In case of doubts or questions please contact Wincor Nixdorf International (WN).

Spare Parts

All information on the service-related spare parts and field replaceable units as well as order numbers and prices can be found in the Wincor Nixdorf Partnernet for qualified service partners (http://partnernet.wincor-nixdorf.com) under the menu option:

Products→Services→Spare parts → Spare part info tool "WNSpare_V4.4".

Orders can be made in the "Wincor Nixdorf Spare Part Portal":

https://logistics.wincor-nixdorf.com/index.html

Warranty

Wincor Nixdorf guarantees generally a warranty engagement for 12 months beginning with the date of delivery. This warranty engagement covers all damages which occur despite a normal use of the product.

Damages because of

- improper or insufficient maintenance,
- improper use of the product or unauthorized modifications of the product,
- inadequate location or surroundings

will not be covered by the warranty.

For further information on the stipulation consult your contract.

All parts of the product which are subject to wear and tear are not included in the warranty engagement. For detailed warranty arrangements please consult your contract documents.

Unpacking and Checking the System

Unpack the system and verify that the scope of delivery is identical to the information on the delivery ticket.

Should you notice any

- transport damages or
- discrepancies between package contents and delivery ticket or
- functional defects,

please inform your contracting parties or the branch office of Wincor Nixdorf immediately. Please indicate the number of your delivery ticket and delivery ticket position and serial number of the respective device.

It is absolutely necessary to check the function of the original equipment *before* you perform any changes. Only then it is possible to accept a functional defect as a claim.

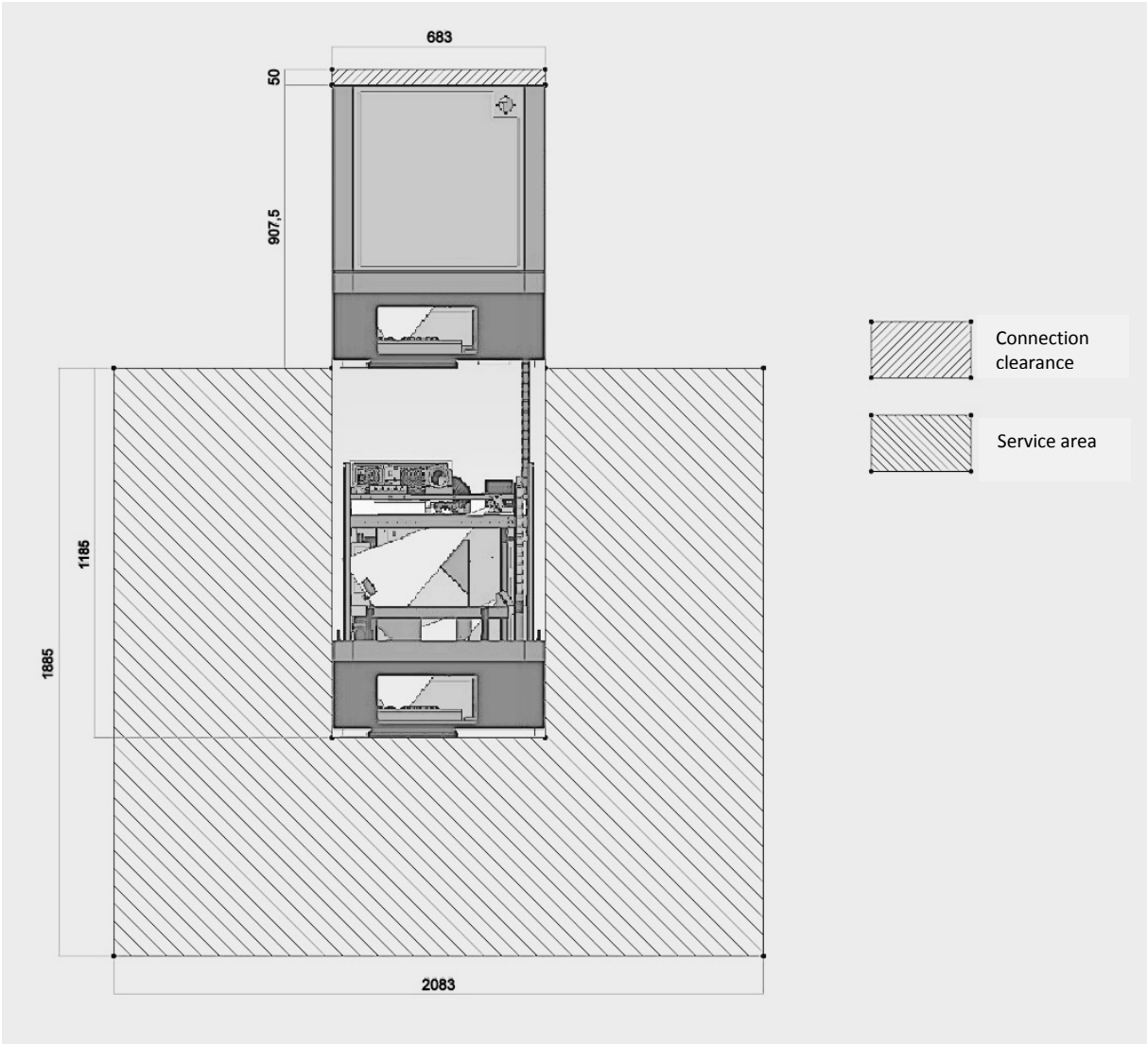
We recommend to save the original packaging for transport at a later time (protection from impact and shock).

Setting Up the Device

Install the CINEO C1030 into an environment without extremly conditions. The device should be placed on a level ground. Avoid vibrations, dust, moisture, heat and strong magnetic fields.

Sketch of the Installation Area

For carrying out connections and service work observe thefollowing dimensions of the installation area!



ESD (Electrostatic Sensitive Devices)

Electrostatic sensitive devices (ESD) *may* be marked with this sticker.

When you handle components fitted with ESDs, you must observe the following points under all circumstances:

- Unplug the power before inserting or removing components containing ESDs.
- While working with ESDs you must discharge yourself by using an ESD wrist strap or grounding cable to connect yourself at all times to the earth connector of power socket or a grounded object.
- Place all components containing ESDs on a static-safe base.
- The equipment and tools you use must be free of static charges.
- Always hold boards with ESDs by their edges. Do not touch the components.
- Never touch pins or conductors on boards fitted with ESDs.

Important Notes

Appliances supplied by Wincor Nixdorf International GmbH comply with the respective safety regulations for data-processing installations and information technology installations, including electrical office equipment for use within an office environment.

Whenever work of any kind is done on the device, as well as when data cables are plugged and unplugged, the device must be completely **disconnect**ed from the line voltage.

- Appliances may only be repaired by **authorized technicians**.
- Unauthorized opening of the housing or inexpert repairs can result not only in considerable personal danger, but will also invalidate your warranty and liability protection.
- Always consult the enclosed documentation before doing any work with this appliance.
- If this device is brought from a cold environment into a heated place of business, condensation may occur. Before operation, the device must be completely dry. Therefore, an acclimatization period of at least two hours must be adhered to.
- Always lay the supply leads and cables in such a way that they cannot be stepped on or tripped over.
- Only touch green marked handles and knobs for moving parts.
- Exchange damaged cables immediately.
- In order to completely disconnect the device from the power source, turn the device off and use the separator in the fuse box\building installation.
- Make sure that no objects (such as paper clips) can reach the interior of the device, since electrical shocks or short-circuits could result.
- To avoid overheating of the power supply unit ensure that the CINEO C1030 receives adequate ventilation.
- During an electrical storm, data cables should not be plugged in or unplugged.
- Keep the device away from vibrations, airstreams/ventilations, dust, humidity and heat.
- Ensure that used parts are disposed of in an *environmentally friendly* manner.

- In case of an accident (such as a damaged housing, entry of liquids or foreign objects), switch the device off and use the separator to completely remove the device from power.
- CINEO C1030 is the result of state-of-the-art technology. Therefore, please also ensure that the CINEO C1030 is operated under modern building and technical conditions in order to ensure flawless and efficient operation. The appliance and other information technology hardware should only be connected to electrical supply networks with a separate protective earth wire (PE). This type of electrical supply network is referred to as a TN-S network. Do not use PEN conductors.
  Also follow the recommendations set forth in DIN VDE 0100 Part 540, Appendix C2 as well as EN50174-2, §5.4.3, National Electrical Code ANSI/NFPA 70-2005 and Canadian Electrical Code, Part I, CSA C22.1-02. This will help prevent malfunctions.
- Turn off the device when working on the cutter of the printer.
- Always keep the ventilation slots free of obstruction to ensure adequate air circulation and avoid overheating.
- Transport the appliance only in its original packaging (to protect it against knocks and bumps).
- If a lithium battery is supplied with the appliance, ensure that the battery is replaced with an equivalent type. Otherwise there is danger of explosion! Lithium batteries may only be replaced with identical types or other types recommended by the manufacturer.
- Batteries must be disposed of according to local regulations on the disposal of special waste.

Connecting Peripherals

Use only shielded cables when connecting devices to the system to ensure compliance with international Rules and Regulations for radiated emission as well as to achieve a high immunity against external disturbances.

LCD Displays

If the display element is damaged and the liquid crystal solution leaks out onto your hands or clothing, please wash your hands or clothing immediately under running water for at least 15 minutes, using soap or alcohol. If the liquid comes into contact with your eyes, consult a **medical doctor immediately.**

Before opening the device, make sure, that the device is disconnected from the main power supply. Only authorized personnel is permitted to open the device.

Tools you need

Keep the following tools at hand for working on the CINEO C1030:

Socket wrench	7 mm (blind screen device front and compartment front)
Open-end wrench	30 mm
Allen screw	H6 (to remove the C1030 from the palett)
Flathead screwdrivers (two sizes)	e.g. 1.0 x 6; mm (hinge printer flap)
Torx screwdrivers	6, 8, 10, 15, 20 and 25 mm
Phillips screwdriver	PHO, 1
Antistatic kit	
Air level	

Requirements

Before the CINEO C1030 installation can be started, the **customer** is held **responsible** to provide the following:

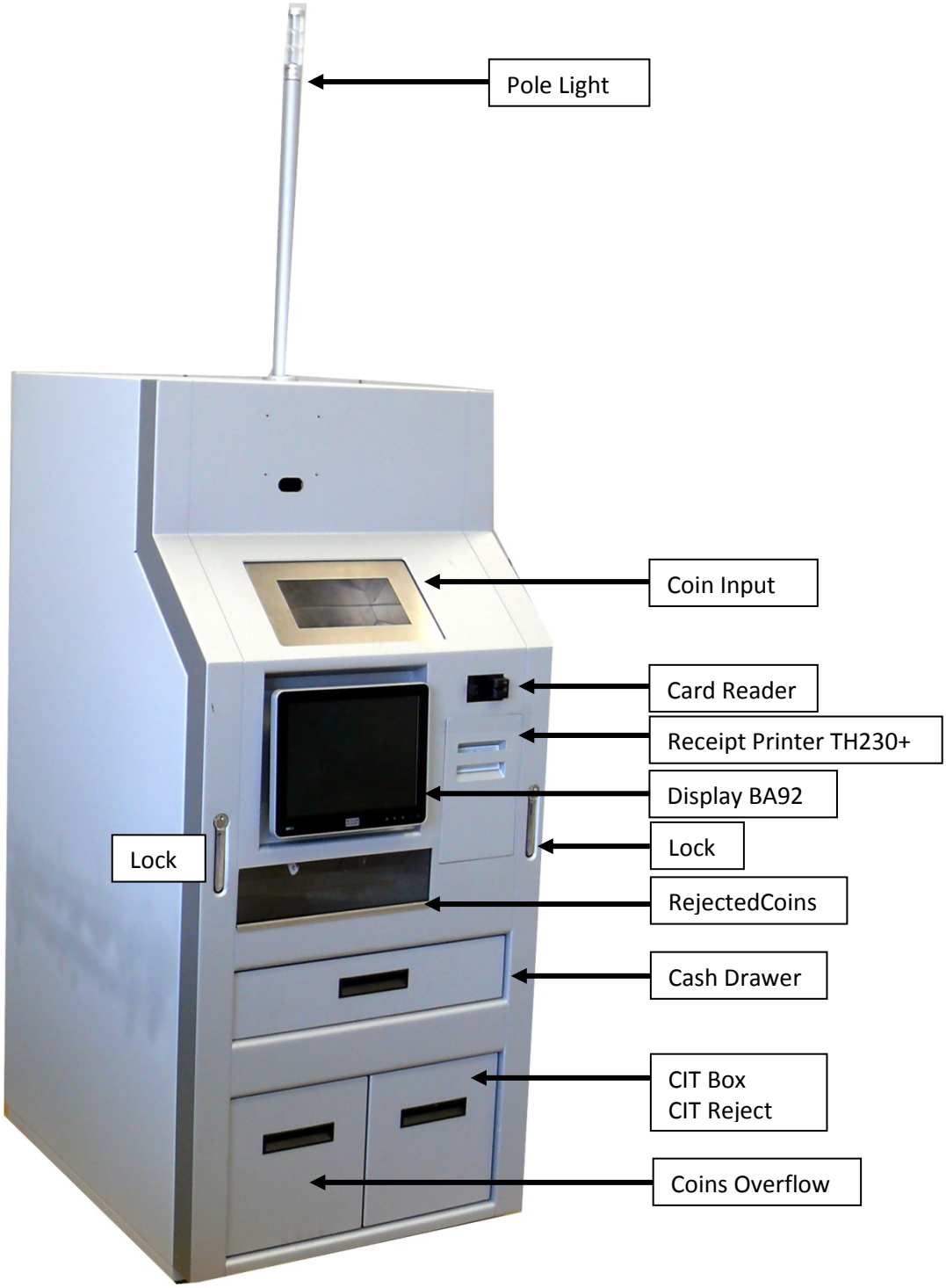
- Appropriate drawings concerning location of the equipment as well as site wiring (power and communications, paths and lengths). Location of other equipment that may generate electrical noise, electromagnetic interference or heat.
- Provision and installation of all communication cables wall jacks, special connectors and associated hardware.
- Provision and installation of necessary power distribution boxes, conduits, grounds, lightning protection devices and associated hardware
- Ensure that all applicable codes, regulations and laws (including, but not limited to, electrical, building, safety and health) are adhered to.
- Provision and installation of auxiliary power or other equipment as required.
- Provision of storage or service as required.
- Provision of a level floor to locate the CINEO C1030. The system has to be stable and must not tilt. The maximum incline must not exceed 2%. The feet of the unit can overcome a height difference of up to 10 mm.
- Provision and installation of floor coverings and environmental systems that limit or control static electricity build-up and discharge.
- Provision of appropriate equipment for the remote support.

The customer is responsible for relocating the CINEO C1030 equipment (check stand and components) to the final placement/installation position.

Keep the Wincor Nixdorf equipment area free from dust, smoke, lint, and other particles. Restrict smoking, eating, and drinking around the equipment. Avoid locating the equipment near other machines that generate ink, carbon and paper dust particles.

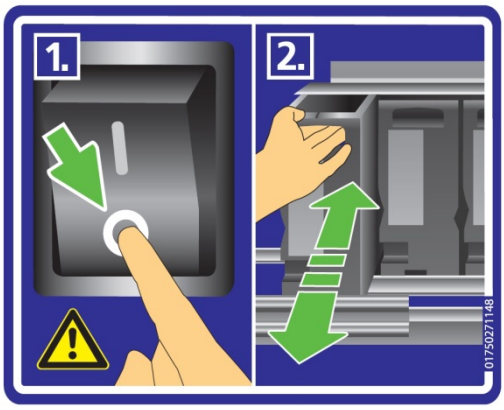
Please note that Wincor Nixdorf will not take over any warranty/liability in case the technical and environmental requirements are not met.

Components


Pole Light
Coin Input
Card Reader
Receipt Printer TH230+
Display BA92
Lock
Lock
RejectedCoins
Cash Drawer
CIT Box
CIT Reject
Coins Overflow

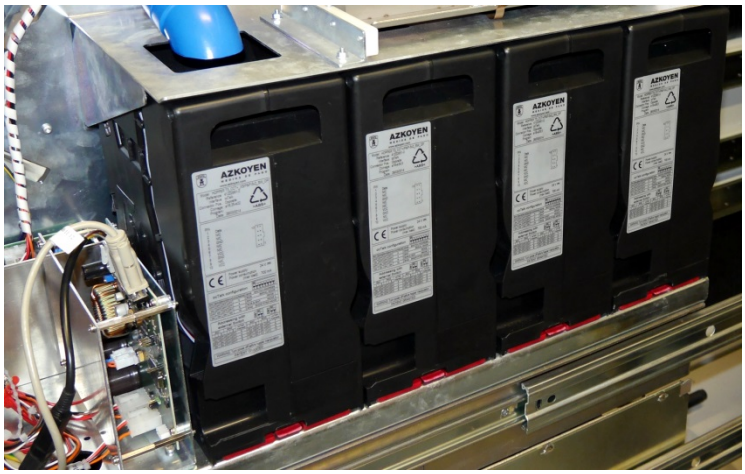
Hopper

Switch off the device befor removing a hopper. Otherwise damages may occur.



Set the hopper always to the same position as installed before.

The hopper must be set as shown in the picture below. The label must be visible from outside.



Installing the CINEO C1030 in the Store

The CINEO C1030 will be delivered on a pallet with a size in industry standard 800 mm x 1200 mm.

Caution! Always wear safety gloves and safety shoes with steel toe caps while transporting heavy appliances.

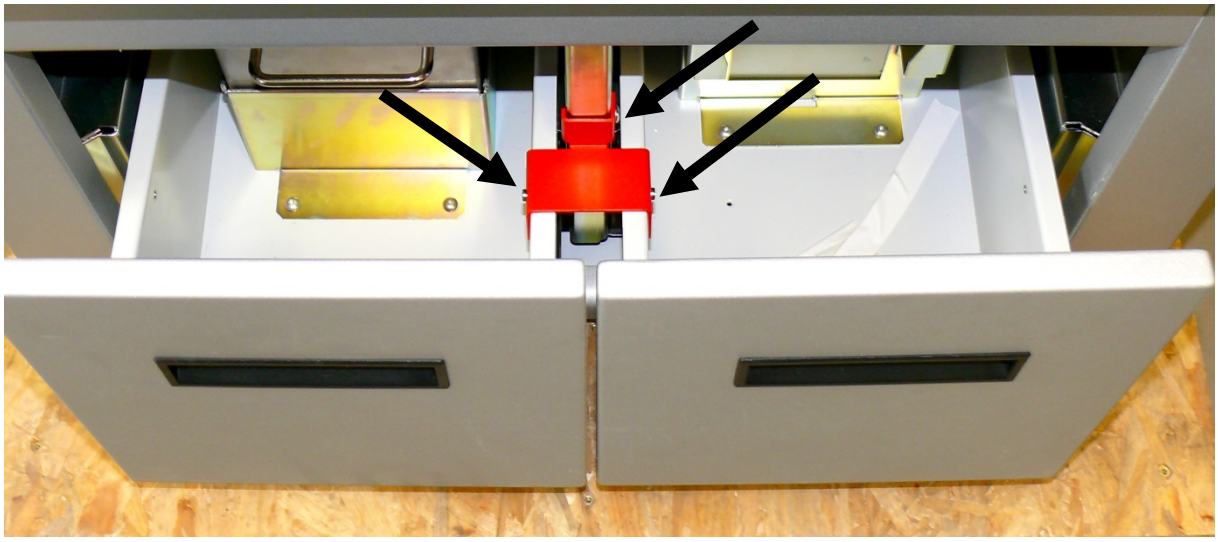
Removing the Transportation Locks

Cut the green bands (1) and remove the paperboard container upwards (2).

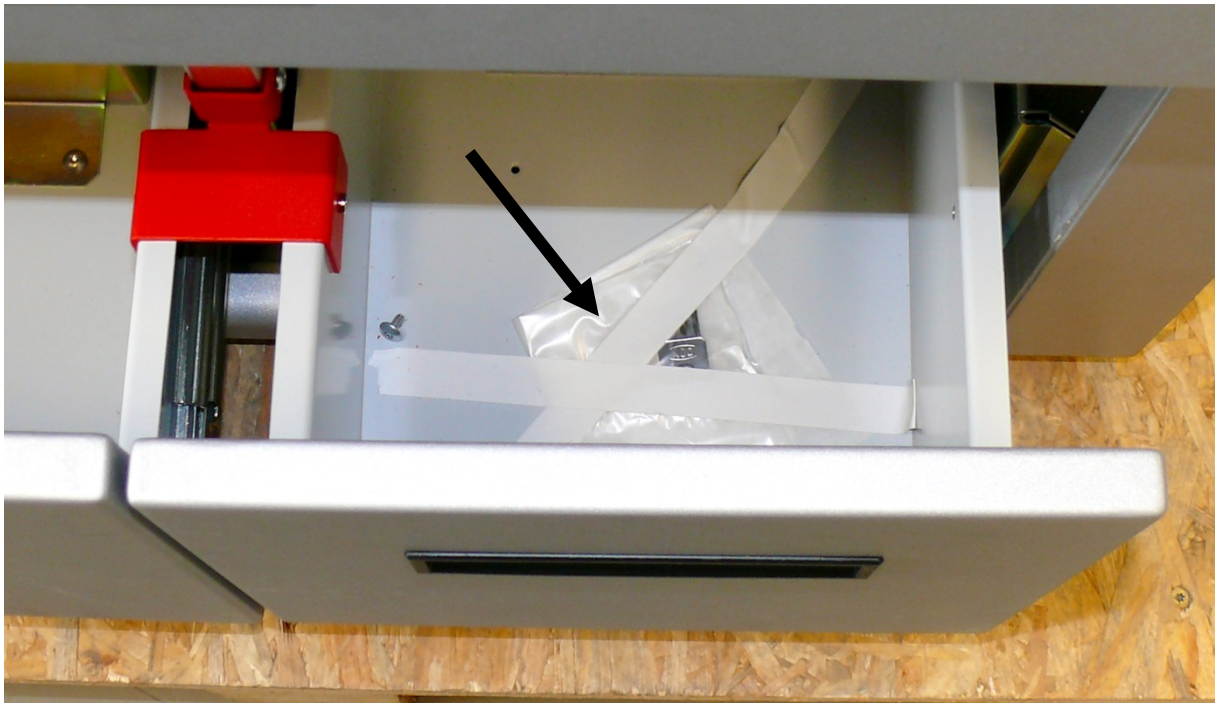
Remove foils and foam material.

Do not unwrap the pole light!

Remove 3 screws with a Tx 20 screwdriver and release the transportation lock on the bottom drawer.



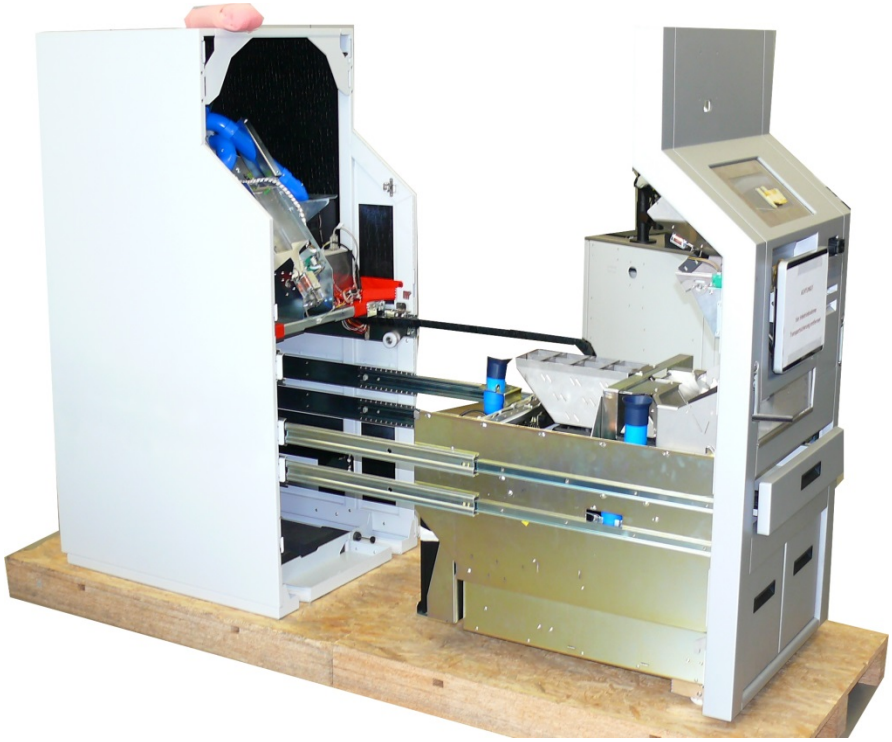
Pick up the keys for the CINEO C1030 in the bottom drawer.



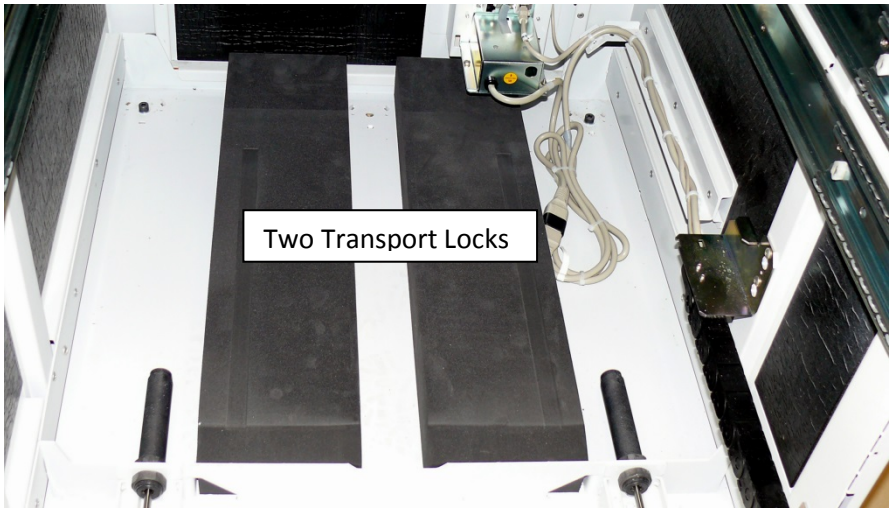
Push the second pallet (scope of delivery) in front of the CINEO C1030 as shown in the picture below.

Unlock the CINEO C1030….

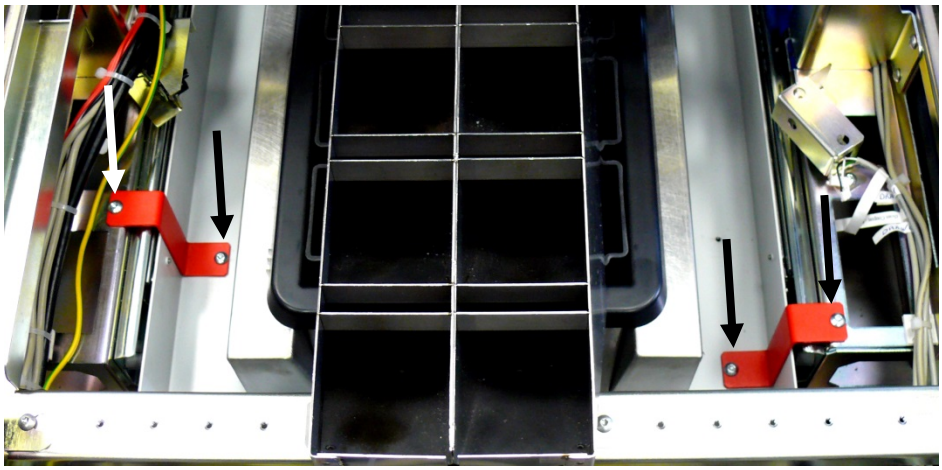
Pull out the carrier completely.



Remove two black transport locks at the bottom of the CINEO C1030.



Remove two transport locks with a Tx20 screwdriver in the carrier nearby the cash tray.



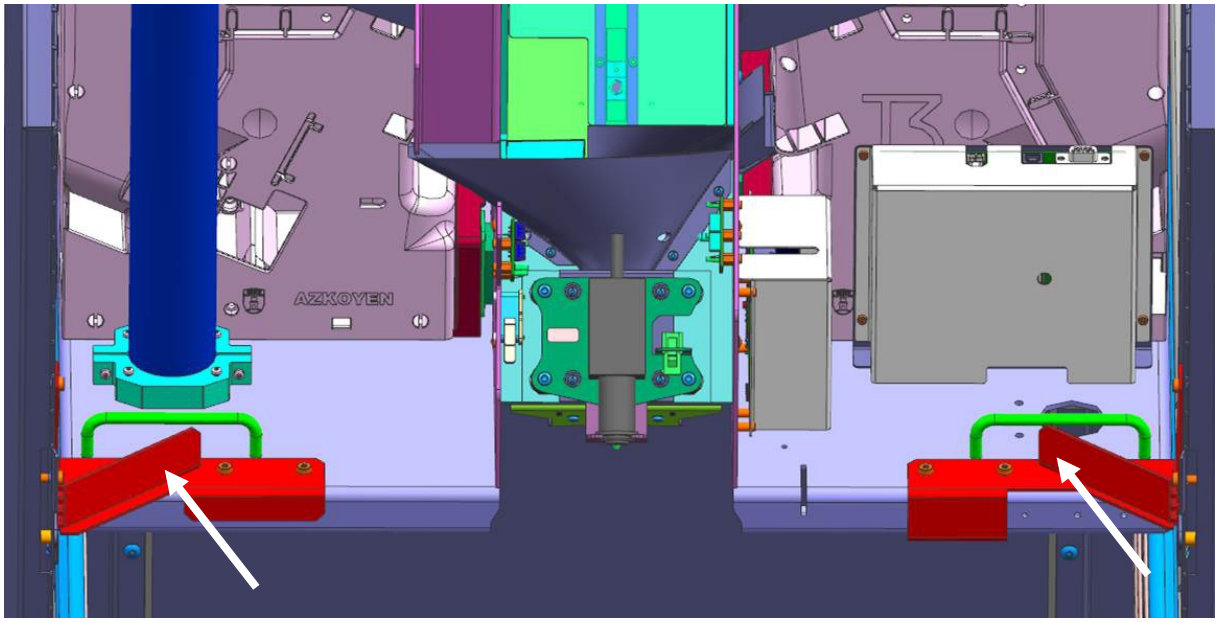
Remove the four Inbus screws at the bottom of the CINEO C1030 which fixes the device at the pallet.

Push in the carrier completely, close the CINEO C1030 and lock it.

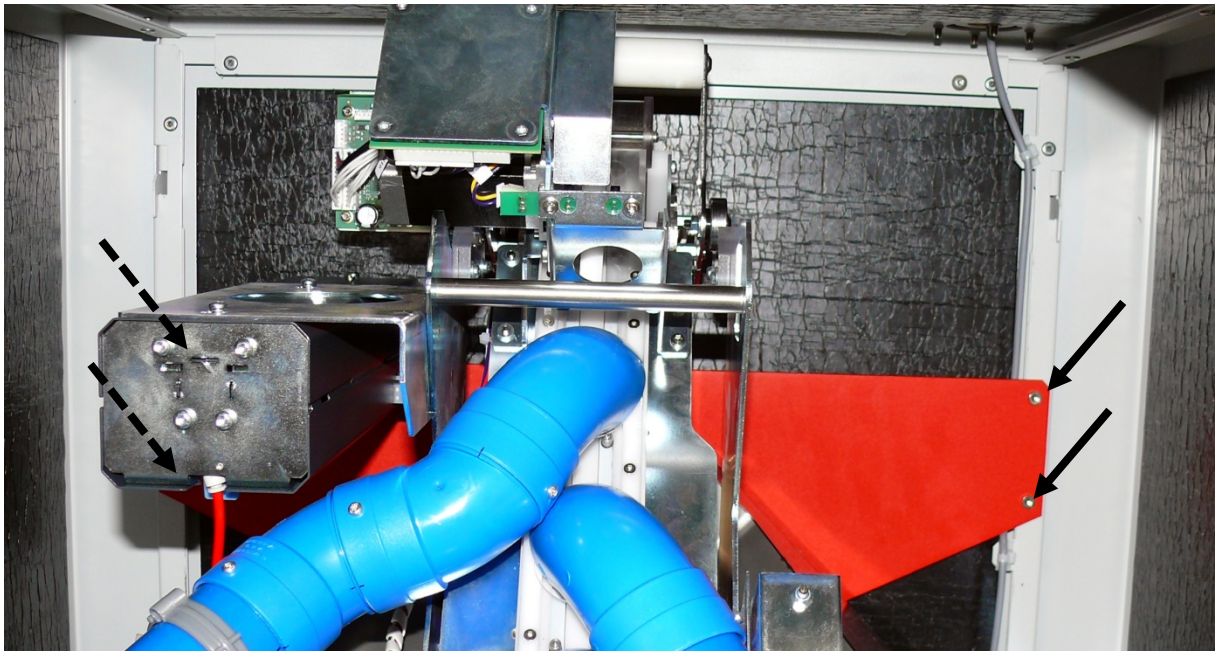
Caution! Tilt the device (max. 15°) with at least four people very carefully at the edge of the pallet and set it up at the designated site. Ensure that the installation site has the required load-carrying capacity.

Now unlock the CINEO C1030 again and pull out the carrier completely.

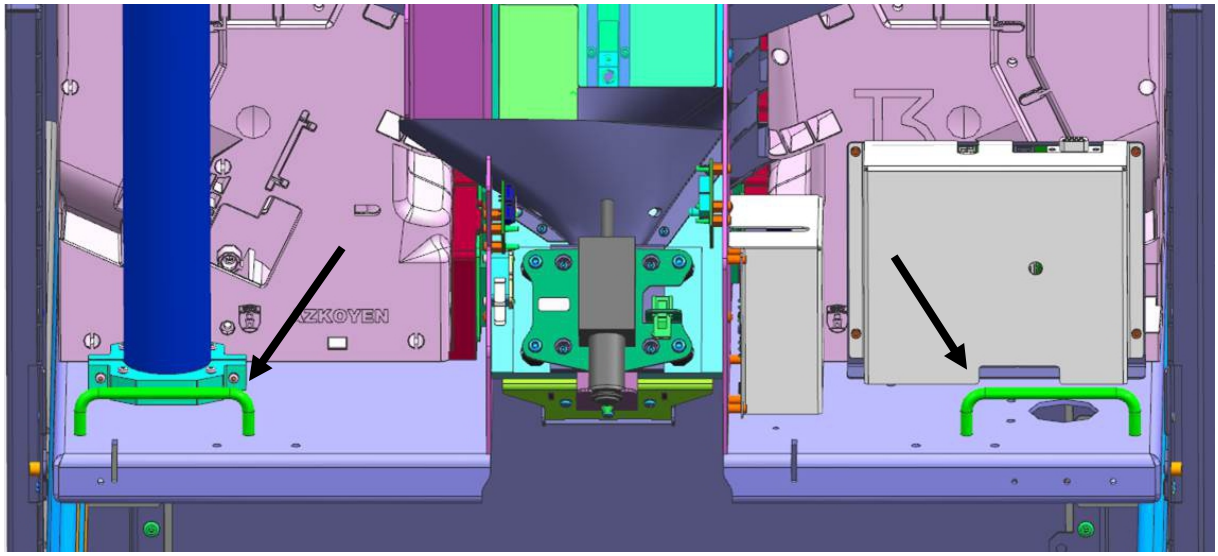
Remove the red transport locks shown in the picture below.



Remove four screws of the transportation lock in the back of the CINEO C1030.

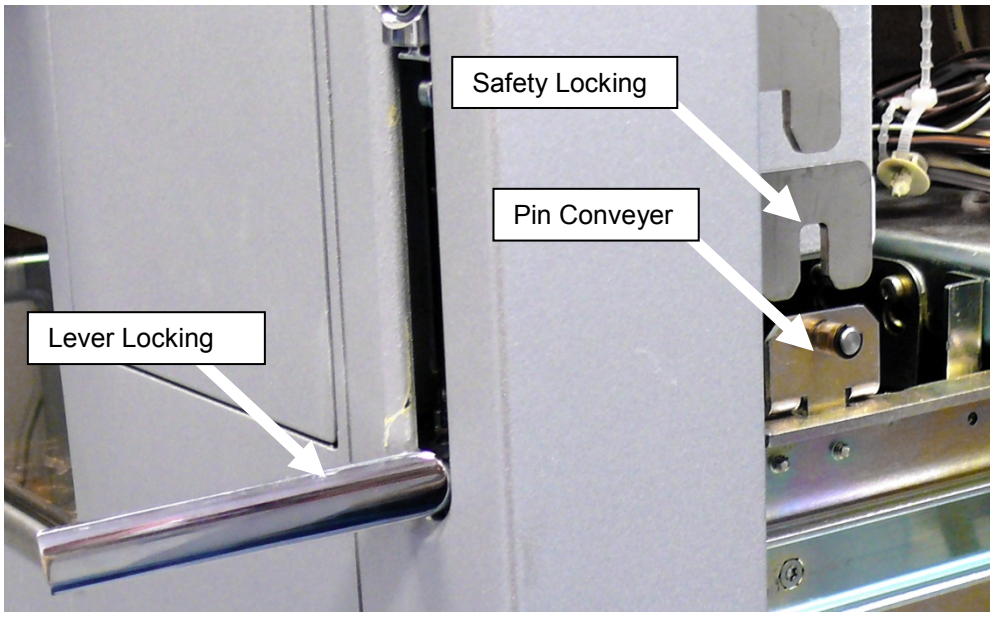


To pull out the unit you must hold it on the green levers only.

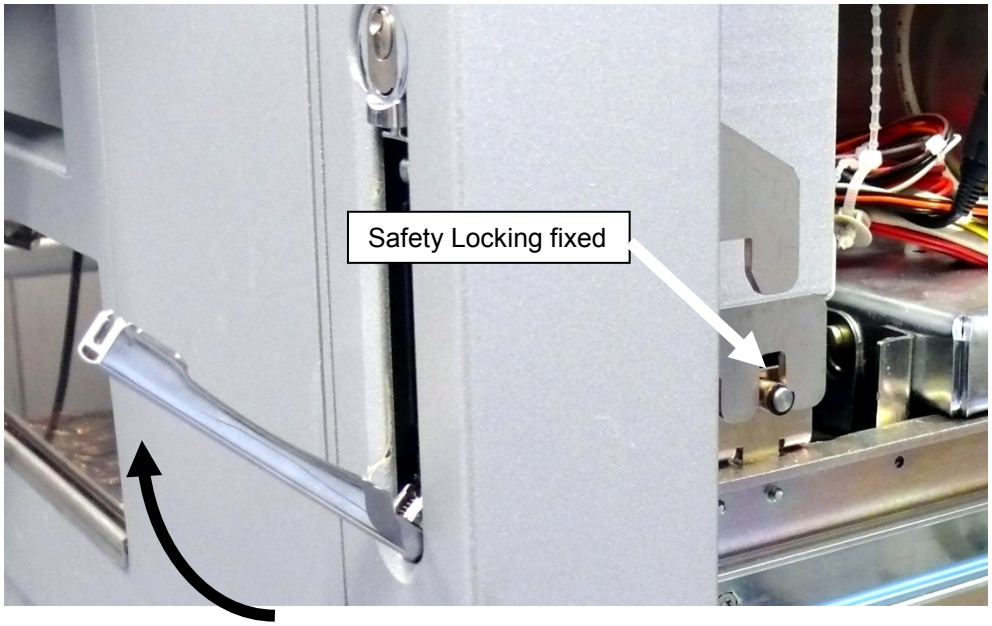


Safety Feature Conveyer Unit

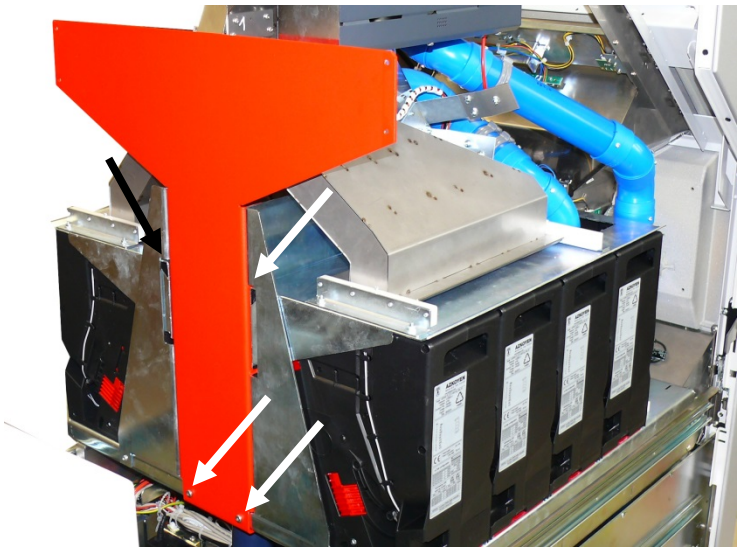
For all works on the conveyer and behind it (as with the BEETLE /S-II) secure it in its position. Being pulled out, the safety lock is in position shown below.



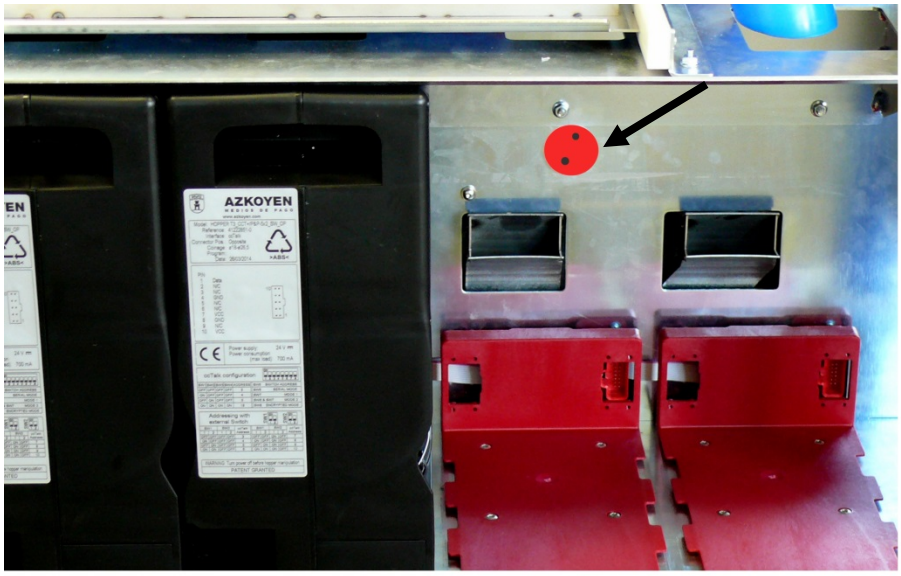
Close the locking upwards and the conveyer is fixed in place for safe working.



Remove four screws at the back of the transportation lock and release it.



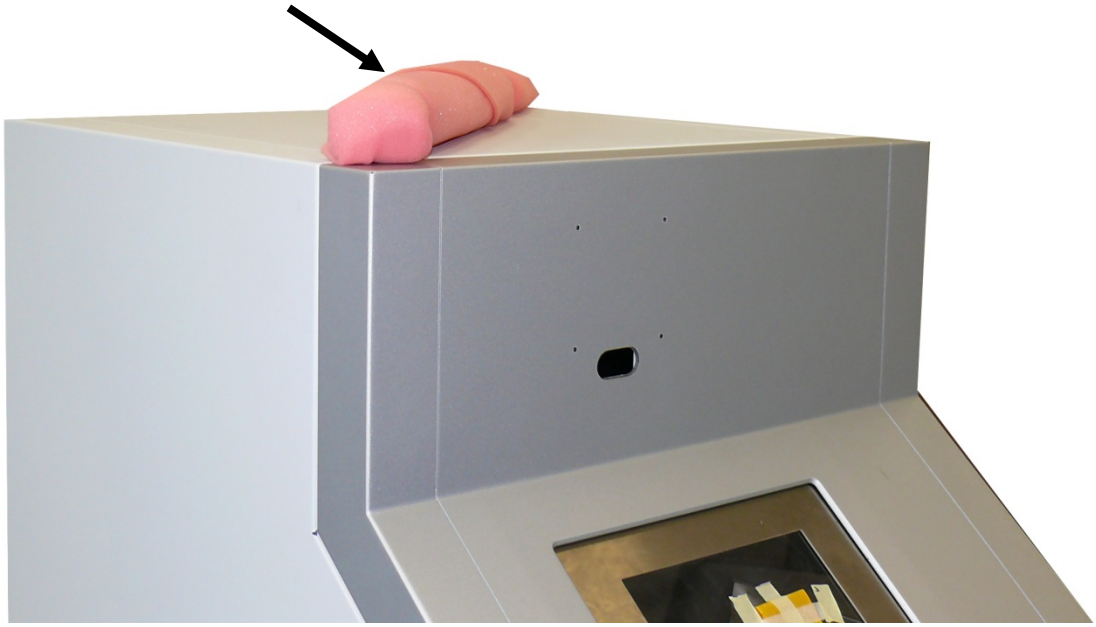
Remove the first two hopper at each side of the CINEO C1030. Release the transport locks (see arrow) on both sides with a Tx 10 screwdriver.



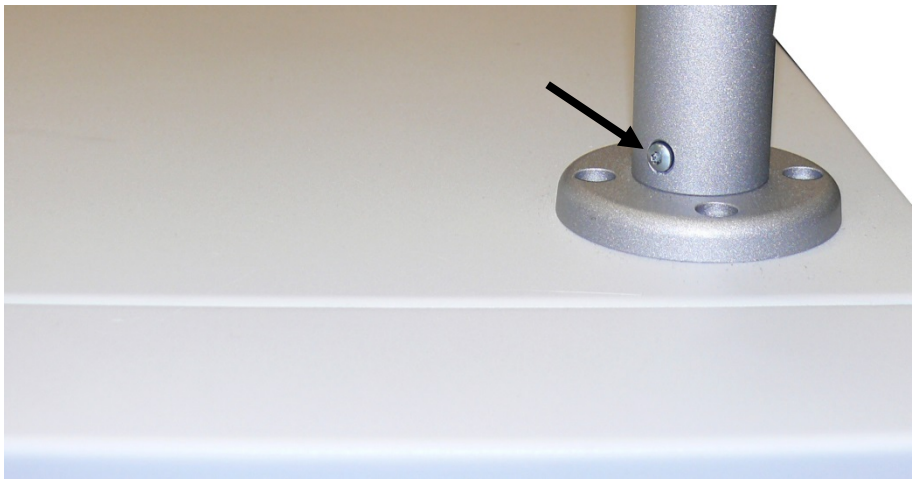
To prevent damages to the device mount the two hopper in their original position again.

Push in the two carriers and close the front door.

Unwrap the pole light…



…and install it with one screw.



Connecting the CINEO C1030

The delivered system is completely configured. There are just a few things to do, before starting up the CINEO C1030.

Start up

The power supply system must be equipped with separately guided protective earth conductor (PE). This kind of electricity system is known as TN-S network. Do not use PEN conductors!

Ratings of CINEO C1030:

- 100-120V / 200-240V
- 2 / 1A
- 60 / 50Hz

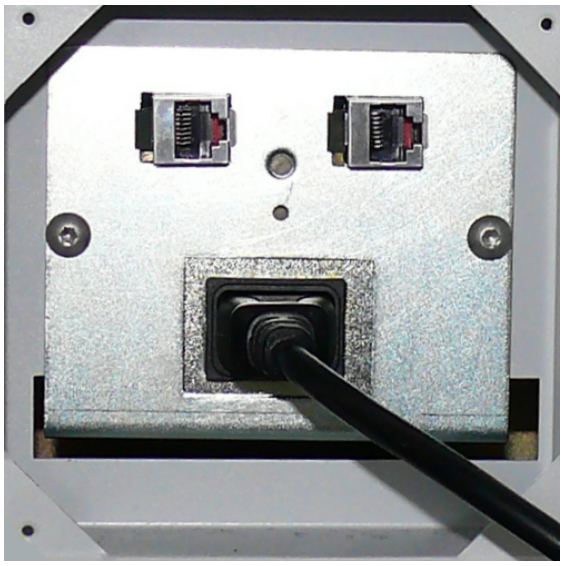
Power Connection and LAN Support

The CINEO C1030 supports Ethernet 10/100 BASE-T local area network (LAN) communication protocol. The CINEO C1030 provides a female RJ-45 connection port for the LAN.

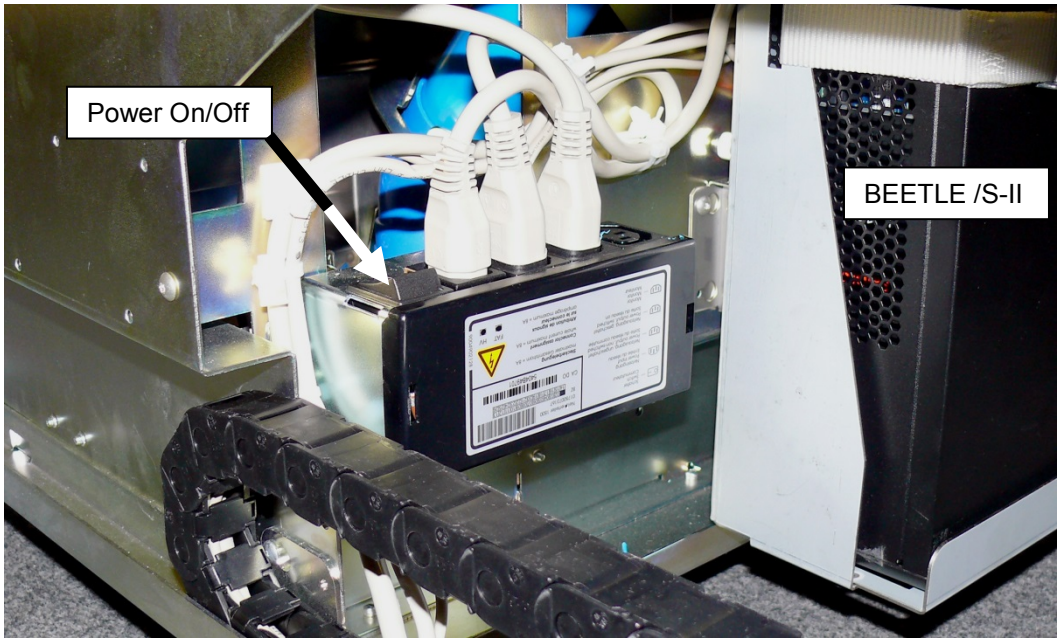
LAN and power supply will be connected at the back side of the device.

- Remove two screws at the back of the device.

- Plug the power plug to the house installation.
- Plug in the power and the LAN cable (optional).



- Unlock and open the front door of the CINEO C1030.
- Push the button at the power distributor to position 1 and the systems starts up.

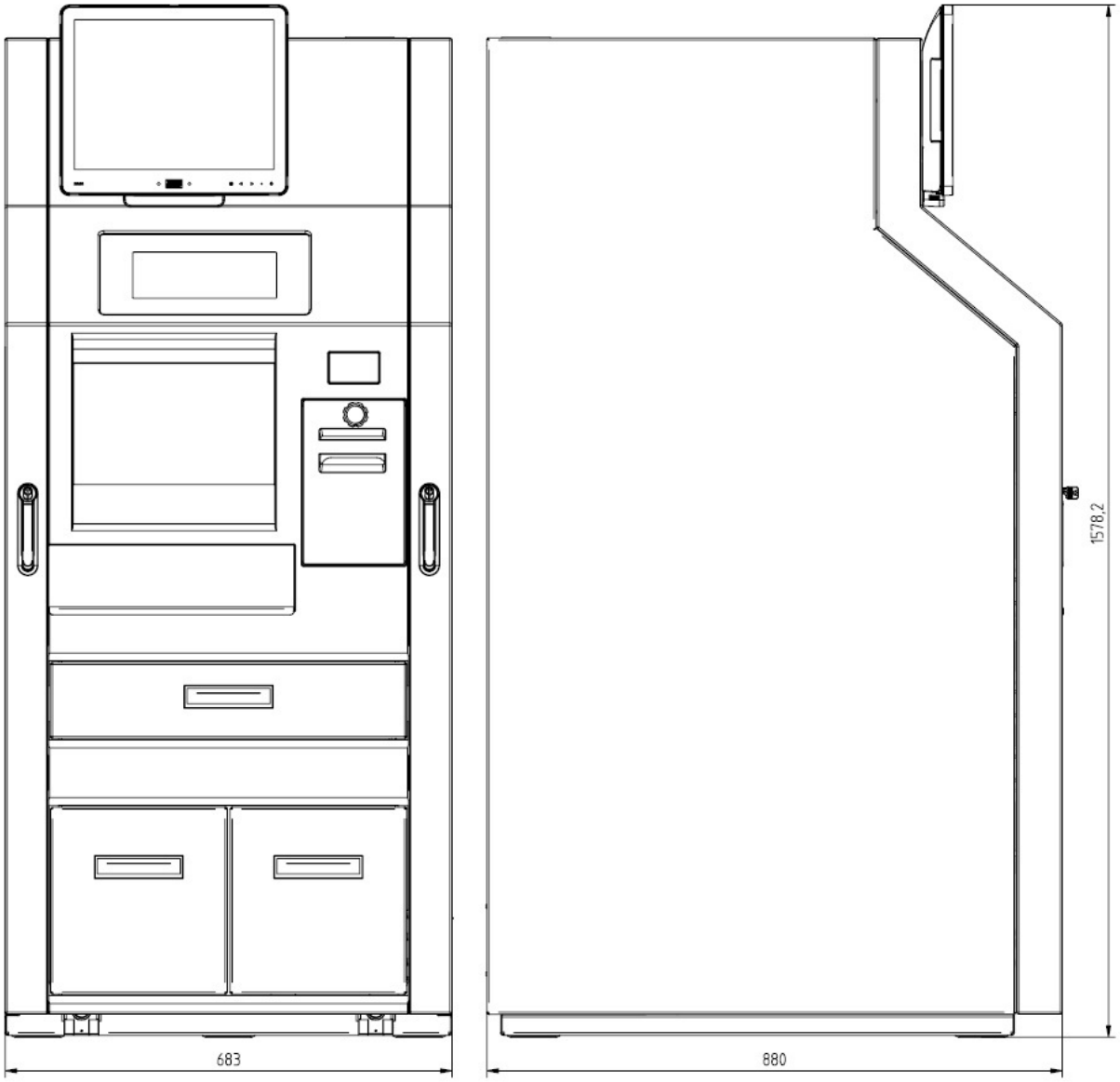


Disconnecting the System from the Mains

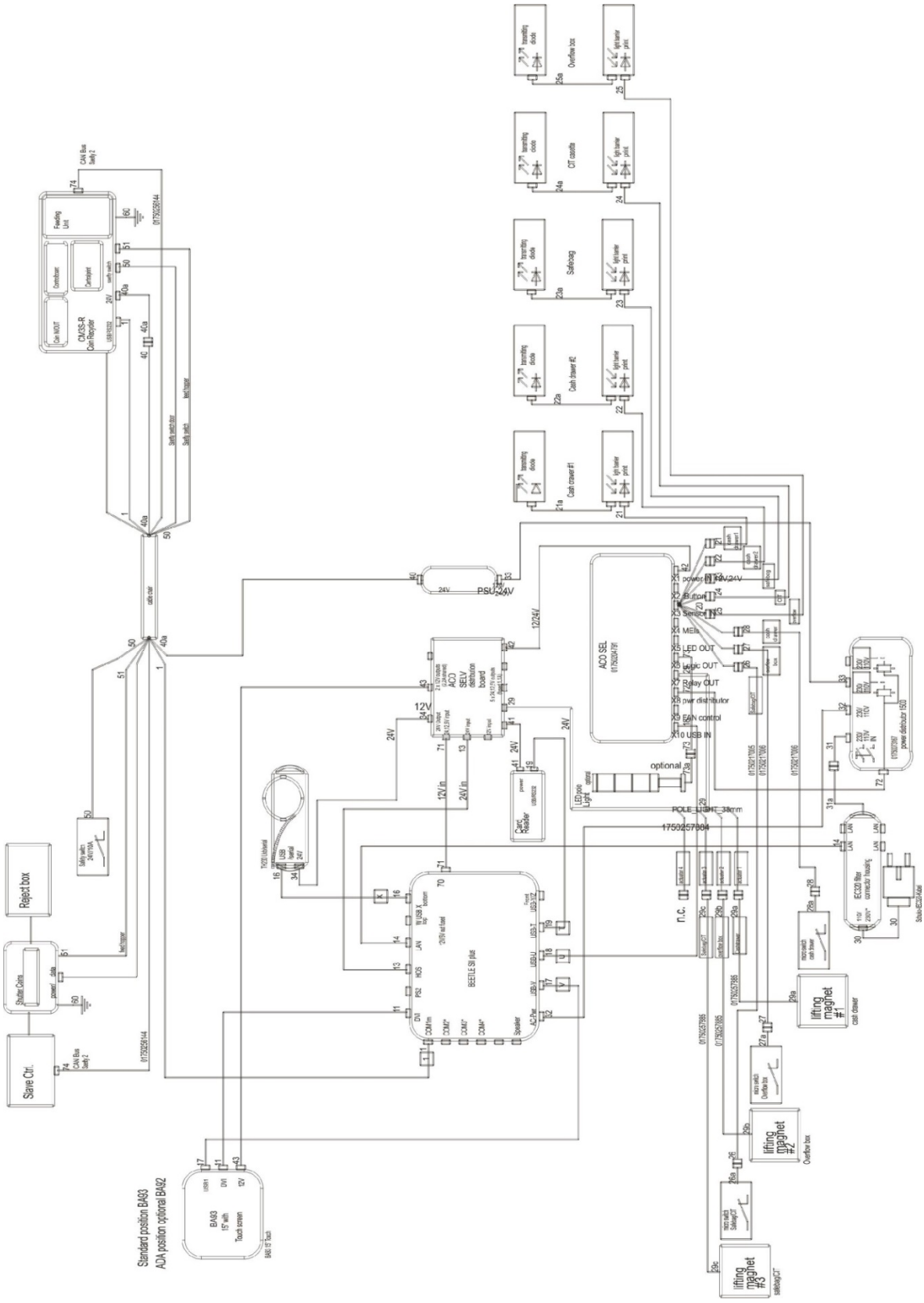
- At first shut down the system by the software application.
- Switch off the system at the power distributor (position 0).

Appendix

Dimensions



Block Diagram



Find a A3-Block Diagram to print out for better visibility on the WN Internet:

Technical Data

Supply Voltage Range	110 – 120 V; 220 – 240 V
Nominal Frequency	50/60 Hz
Data Transmission Port	V.24
Dimensions (H x W x D)	1,274 mm x 750 mm x 530 mm
Weight: without coins	 approx. 390 kg
Current Consumption Standby (EPC, Cash Module) Replenish Coin Hoppers Electric Current	 350 mA, 67 W 600 mA; 120 W 260 mA

Environmental Requirements

Operating conditions	
Ambient temperature:	5 °C – 35 °C
Humidity:	5% r.h. (1 g/m³) – 85% r.h. (25 g/m³)
Temperature change:	0.5 K/min (max. 7.5K/30 min)
Storage conditions	
Ambient temperature:	5 °C – 40 °C
Humidity:	5% r.h. (1 g/m³) – 85% r.h. (25 g/m³) 0.5 K/min
Temperature change:	0.5 K/min (max. 7.5K/30 min)
Transport conditions	
Ambient temperature:	-25 °C – 60 °C
Humidity:	15% r.h. (1 g/m³) – 98% r.h. (32 g/m³)
Temperature change:	-25 °C / 25 °C

Further Documentation

You will find the „User Manual“ (Hardware) on the Internet:

http://www.wincor-nixdorf.com/internet/site_EN/sid_022E1EB999DBEBDE7BDDA2BF7738233B/EN/Support/Downloads/POSLotterySystems/Manuals/RCCM/RCCM_node.html

Cleaning Instructions

- Always **turn off the system** before cleaning.
- The glass surface of your Touch Screen should be cleaned with a mild, abrasive-free, commercially available glass cleaning product.
- All pH neutral materials (pH 6 to 8) are good for cleaning. Cleaners with pH values 9 to 10 are not recommended. Cleaning with water and isopropyl alcohol is possible as well.
- Do **not** use solvents containing acetic acid.
- Use a soft, fine-meshed cloth to clean the surface. Dampen the cloth slightly and then clean the screen.

Wrong maintenance may cause damages to the screen, which are not covered by warranty.

Maintenance and Service

When carrying out work on the components and modules that carry an electrical charge, this equipment must first be disconnected from the power supply. Besides switching off the power switch on the power distributor, the safety plug must be disconnected from the power distributor.

System’s Housing

Clean the housing of the CINEO C1030 with a vacuum cleaner or cloth. Eliminate damage to paint, if necessary and possible.

Approved Cleaning Materials

The items listed below can be ordered from Wincor Nixdorf branch office or your Wincor Nixdorf sales partner.

Product Name	Order Number	Explanations
Professionell cleaning set for EDP devices 100ml plastic cleaner in a pump bottle 50 dust cloths 10 keyboard swabs for places difficult to reach	01750097335	For cleaning and maintaining keyboards and varnished and plastic-coated housings
Damp cleaning cloths Dispenser box with 100 cloths	01750097332	For cleaning and maintaining delicate EDP devices, keyboards and housings
Dry cleaning cloths Antistatic and fluff free (Pack with 300 cloths)	01750097334	For cleaning display panes
Compressed air spray PRESSAIR 400ml bottle without a valve, 70cm hose	01750097331	Cleaned compressed air, CFC-free, for removing loose dust and dirt particles
Cloth with ISOPROPYL 1000 pieces	01750104065	Pure isopropyl alcohol for cleaning displays
Cleaning card	01750016388	For cleaning magnetic heads and chip contacts in ID card readers

Please note the manufacturer's specifications on the packaging and on the information sheet included in the packaging. The product may be damaged or soiled if materials are used that are not approved or if they are used improperly.

Certificates

CE Marking

The device complies with the require-ments of the EC directives 2004/108/EC with regard to “Electromagnetic compatibility” and, if applicable, 2006/95/EC “Low Voltage Directive” and RoHS directive 2011/65/EU.

Therefore, you will find the CE mark on the device or on its packaging.

Tested Safety

In addition, the CINEO C1030 has received the UL symbol and cUL symbol.

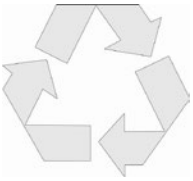
FCC-Class A Declaration

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful inter-ference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Modifications not authorized by the manufacturer may void users authority to operate this device. This class A digital apparatus complies with Canadian ICES-003.

Cet appareil numerique de la classe A est conforme à la norme NMB-003 du Canada.

Recycling the CINEO C1030



CINEO C1030 was designed according to the Wincor Nixdorf standard “Environmentally Conscious Product Design and Development”.

CINEO C1030 is manufactured without the use of CFCs and CCHs and is manufactured to a great extent out of materials and components which are recyclable.

For recycling purposes do not attach any additional adhesive labels to the device.

Wincor Nixdorf disposes of old devices in an environmentally responsible manner at a recycling center that is ISO 9001 and ISO 14001 certified, as is the entire company.

Follow your local regulations on the disposal of toxic waste.

Your Wincor Nixdorf vendor will answer any questions you have concerning returns, recycling, and disposal of our products.

Wincor Nixdorf International GmbH
D-33094 Paderborn

Order No.: ***01750264336A***